



RAW SEQUENCE LISTING ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 09/780,668

Source: OPE

Date Processed by STIC: 3/7/2001

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) **INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,**
- 2) **TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY.**

FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216.

PATENTIN 2.1 e-mail help: patin21help@uspto.gov or phone 703-306-4119 (R. Wax)

PATENTIN 3.0 e-mail help: patin3help@uspto.gov or phone 703-306-4119 (R. Wax)

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 3.0 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW:

Checker Version 3.0

The Checker Version 3.0 application is a state-of-the-art Windows based software program employing a logical and intuitive user-interface to check whether a sequence listing is in compliance with format and content rules. Checker Version 3.0 works for sequence listings generated for the original version of 37 CFR §§1.821 – 1.825 effective October 1, 1990 (old rules) and the revised version (new rules) effective July 1, 1998 as well as World Intellectual Property Organization (WIPO) Standard ST.25.

Checker Version 3.0 replaces the previous DOS-based version of Checker, and is Y2K-compliant. Checker allows public users to check sequence listings in Computer Readable form (CRF) before submitting them to the United States Patent and Trademark Office (USPTO). Use of Checker prior to filing the sequence listing is expected to result in fewer errored sequence listings, thus saving time and money.

Checker Version 3.0 can be down loaded from the USPTO website at the following address:

<http://www.uspto.gov/web/offices/pac/checker>

Raw Sequence Listing Error Summary

ERROR DETECTED SUGGESTED CORRECTION

SERIAL NUMBER: 09/780,668

ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE

- 1 Wrapped Nucleics The number/text at the end of each line "wrapped" down to the next line.
This may occur if your file was retrieved in a word processor after creating it.
Please adjust your right margin to .3, as this will prevent "wrapping".
- 2 Wrapped Aminos The amino acid number/text at the end of each line "wrapped" down to the next line.
This may occur if your file was retrieved in a word processor after creating it.
Please adjust your right margin to .3, as this will prevent "wrapping".
- 3 Incorrect Line Length The rules require that a line not exceed 72 characters in length. This includes spaces.
- 4 Misaligned Amino Acid Numbering The numbering under each 5th amino acid is misaligned. This may be caused by the use of tabs between the numbering. It is recommended to delete any tabs and use spacing between the numbers.
- 5 Non-ASCII This file was not saved in ASCII (DOS) text, as required by the Sequence Rules.
Please ensure your subsequent submission is saved in ASCII text so that it can be processed.
- 6 Variable Length Sequence(s) contain n's or Xaa's which represented more than one residue.
As per the rules, each n or Xaa can only represent a single residue.
Please present the maximum number of each residue having variable length and indicate in the (ix) feature section that some may be missing.
- 7 PatentIn ver. 2.0 "bug" A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequence(s) . Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. This applies primarily to the mandatory <220>-<223> sections for Artificial or Unknown sequences.
- 8 Skipped Sequences (OLD RULES) Sequence(s) missing. If intentional, please use the following format for each skipped sequence:
(2) INFORMATION FOR SEQ ID NO:X:
(i) SEQUENCE CHARACTERISTICS:(Do not insert any headings under "SEQUENCE CHARACTERISTICS")
(xi) SEQUENCE DESCRIPTION:SEQ ID NO:X:
This sequence is intentionally skipped

Please also adjust the "(iii) NUMBER OF SEQUENCES:" response to include the skipped sequence(s).
- 9 Skipped Sequences (NEW RULES) Sequence(s) missing. If intentional, please use the following format for each skipped sequence.
<210> sequence id number
<400> sequence id number
000
- 10 Use of n's or Xaa's (NEW RULES) Use of n's and/or Xaa's have been detected in the Sequence Listing.
Use of <220> to <223> is MANDATORY if n's or Xaa's are present.
In <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.
- 11 Use of <213>Organism (NEW RULES) Sequence(s) are missing this mandatory field or its response.
- 12 Use of <220>Feature (NEW RULES) Sequence(s) 21 are missing the <220>Feature and associated headings.
Use of <220> to <223> is MANDATORY if <213>ORGANISM is "Artificial" or "Unknown"
Please explain source of genetic material in <220> to <223> section.
(See "Federal Register," 6/01/98, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of new Rules)
- 13 PatentIn ver. 2.0 "bug" Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing).
Instead, please use "File Manager" or any other means to copy file to floppy disk.

OIPE

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/780,668

DATE: 03/07/2001

TIME: 11:13:52

Input Set : A:\LEX011.ST25.txt

Output Set: N:\CRF3\03072001\I780668.raw

Does Not Comply
Corrected Diskette Needed

P.4

3 <110> APPLICANT: Gillies, Stephen
4 Burger, Christa
5 Lo, Kin-Ming
7 <120> TITLE OF INVENTION: Enhancing the Circulating Half-Life of Antibody-Based Fusion Proteins
9 <130> FILE REFERENCE: LEX-011
C--> 11 <140> CURRENT APPLICATION NUMBER: US/09/780,668
C--> 11 <141> CURRENT FILING DATE: 2001-02-09
11 <150> PRIOR APPLICATION NUMBER: US 60/181,768
12 <151> PRIOR FILING DATE: 2000-02-11
14 <160> NUMBER OF SEQ ID NOS: 35
16 <170> SOFTWARE: PatentIn version 3.0
18 <210> SEQ ID NO: 1
19 <211> LENGTH: 7
20 <212> TYPE: PRT
21 <213> ORGANISM: Artificial Sequence
23 <220> FEATURE:
24 <223> OTHER INFORMATION: Ig-IL-2 junction sequence
26 <400> SEQUENCE: 1
28 Ser Pro Gly Lys Ala Pro Thr
29 1 5
31 <210> SEQ ID NO: 2
32 <211> LENGTH: 4
33 <212> TYPE: PRT
34 <213> ORGANISM: Artificial Sequence
36 <220> FEATURE:
37 <223> OTHER INFORMATION: Ig C-terminal sequence
39 <400> SEQUENCE: 2
41 Ser Pro Gly Lys
42 1
44 <210> SEQ ID NO: 3
45 <211> LENGTH: 12
46 <212> TYPE: DNA
47 <213> ORGANISM: Artificial Sequence
49 <220> FEATURE:
50 <223> OTHER INFORMATION: Synthetic sequence
52 <400> SEQUENCE: 3
53 tccccgggta aa
56 <210> SEQ ID NO: 4
57 <211> LENGTH: 42
58 <212> TYPE: DNA
59 <213> ORGANISM: Artificial Sequence
61 <220> FEATURE:
62 <223> OTHER INFORMATION: Synthetic sequence
64 <400> SEQUENCE: 4
65 ccgggtgcag cacctacttc aagttctaca aagaaaacac ag
68 <210> SEQ ID NO: 5
69 <211> LENGTH: 38

global reporter gene source of
genetic material
(see annotated
portion of
item 12 on
Even Summary
Sheet)

RAW SEQUENCE LISTING
 PATENT APPLICATION: US/09/780,668

DATE: 03/07/2001
 TIME: 11:13:52

Input Set : A:\LEX011.ST25.txt
 Output Set: N:\CRF3\03072001\I780668.raw

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70 <212> TYPE: DNA
71 <213> ORGANISM: Artificial Sequence
73 <220> FEATURE:
74 <223> OTHER INFORMATION: Synthetic sequence
76 <400> SEQUENCE: 5
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80 <210> SEQ ID NO: 6
81 <211> LENGTH: 42
82 <212> TYPE: DNA
83 <213> ORGANISM: Artificial Sequence
85 <220> FEATURE:
86 <223> OTHER INFORMATION: Synthetic sequence
88 <400> SEQUENCE: 6
89 ccgggtaggg cgccaacttc aagttctaca aagaaaacac ag 42
92 <210> SEQ ID NO: 7
93 <211> LENGTH: 38
94 <212> TYPE: DNA
95 <213> ORGANISM: Artificial Sequence
97 <220> FEATURE:
98 <223> OTHER INFORMATION: Synthetic sequence
100 <400> SEQUENCE: 7
101 ctgtgttttc ttgtagaac ttgaagttgg cgccctac 38
104 <210> SEQ ID NO: 8
105 <211> LENGTH: 39
106 <212> TYPE: DNA
107 <213> ORGANISM: Artificial Sequence
109 <220> FEATURE:
110 <223> OTHER INFORMATION: Synthetic sequence
112 <400> SEQUENCE: 8
113 ccgggtgcac ctacttcaag ttctacaaag aaaacacag 39
116 <210> SEQ ID NO: 9
117 <211> LENGTH: 35
118 <212> TYPE: DNA
119 <213> ORGANISM: Artificial Sequence
121 <220> FEATURE:
122 <223> OTHER INFORMATION: Synthetic sequence
124 <400> SEQUENCE: 9
125 ctgtgttttc ttgtagaac ttgaagtagg tgcac 35
128 <210> SEQ ID NO: 10
129 <211> LENGTH: 42
130 <212> TYPE: DNA
131 <213> ORGANISM: Artificial Sequence
133 <220> FEATURE:
134 <223> OTHER INFORMATION: Synthetic sequence
136 <400> SEQUENCE: 10
137 ccgggtgggg cccctacttc aagttctaca aagaaaacac ag 42
140 <210> SEQ ID NO: 11
141 <211> LENGTH: 38
142 <212> TYPE: DNA

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RAW SEQUENCE LISTING
 PATENT APPLICATION: US/09/780,668
 DATE: 03/07/2001
 TIME: 11:13:52

Input Set : A:\LEX011.ST25.txt
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143 <213> ORGANISM: Artificial Sequence
145 <220> FEATURE:
146 <223> OTHER INFORMATION: Synthetic sequence
148 <400> SEQUENCE: 11
149 ctgtgttttc tttgtagaac ttgaagtagg ggcccccac 38
152 <210> SEQ ID NO: 12
153 <211> LENGTH: 42
154 <212> TYPE: DNA
155 <213> ORGANISM: Artificial Sequence
157 <220> FEATURE:
158 <223> OTHER INFORMATION: Synthetic sequence
160 <400> SEQUENCE: 12
161 ccgggtcttg cgccaacttc aagttctaca aagaaaacac ag 42
164 <210> SEQ ID NO: 13
165 <211> LENGTH: 38
166 <212> TYPE: DNA
167 <213> ORGANISM: Artificial Sequence
169 <220> FEATURE:
170 <223> OTHER INFORMATION: Synthetic sequence
172 <400> SEQUENCE: 13
173 ctgtgttttc tttgtagaac ttgaagttgg cgccagac 38
176 <210> SEQ ID NO: 14
177 <211> LENGTH: 48
178 <212> TYPE: DNA
179 <213> ORGANISM: Artificial Sequence
181 <220> FEATURE:
182 <223> OTHER INFORMATION: Synthetic sequence
184 <400> SEQUENCE: 14
185 ccgggtgcag cagctgcccc aacttcaagt tctacaaaga aaacacag 48
188 <210> SEQ ID NO: 15
189 <211> LENGTH: 44
190 <212> TYPE: DNA
191 <213> ORGANISM: Artificial Sequence
193 <220> FEATURE:
194 <223> OTHER INFORMATION: Synthetic sequence
196 <400> SEQUENCE: 15
197 ctgtgttttc tttgtagaac ttgaagttgg ggcagctgct gcac 44
200 <210> SEQ ID NO: 16
201 <211> LENGTH: 42
202 <212> TYPE: DNA
203 <213> ORGANISM: Artificial Sequence
205 <220> FEATURE:
206 <223> OTHER INFORMATION: Synthetic sequence
208 <400> SEQUENCE: 16
209 ccgggttgcg caccaacttc aagttctaca aagaaaacac ag 42
212 <210> SEQ ID NO: 17
213 <211> LENGTH: 38
214 <212> TYPE: DNA
215 <213> ORGANISM: Artificial Sequence

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RAW SEQUENCE LISTING
 PATENT APPLICATION: US/09/780,668

DATE: 03/07/2001
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Input Set : A:\LEX011.ST25.txt
 Output Set: N:\CRF3\03072001\I780668.raw

```

217 <220> FEATURE:
218 <223> OTHER INFORMATION: Synthetic sequence
220 <400> SEQUENCE: 17
221 ctgtgttttc ttgtagaac ttgaagttgg tgcgcaac 38
224 <210> SEQ ID NO: 18
225 <211> LENGTH: 42
226 <212> TYPE: DNA
227 <213> ORGANISM: Artificial Sequence
229 <220> FEATURE:
230 <223> OTHER INFORMATION: Synthetic sequence
232 <400> SEQUENCE: 18
233 ccgggtgacg caccaacttc aagttctaca aagaaaacac ag 42
236 <210> SEQ ID NO: 19
237 <211> LENGTH: 38
238 <212> TYPE: DNA
239 <213> ORGANISM: Artificial Sequence
241 <220> FEATURE:
242 <223> OTHER INFORMATION: Synthetic sequence
244 <400> SEQUENCE: 19
245 ctgtgttttc ttgtagaac ttgaagttgg tgcgtcac 38
248 <210> SEQ ID NO: 20
249 <211> LENGTH: 19
250 <212> TYPE: DNA
251 <213> ORGANISM: Artificial Sequence
253 <220> FEATURE:
254 <223> OTHER INFORMATION: Synthetic sequence
256 <220> FEATURE:
257 <221> NAME/KEY: CDS
258 <222> LOCATION: (2)..(19)
260 <400> SEQUENCE: 20
261 c ccg gca tgc ggg ggt aaa 19
262 Pro Ala Cys Gly Gly Lys
263 1 5
266 <210> SEQ ID NO: 21
267 <211> LENGTH: 6
268 <212> TYPE: PRT
269 <213> ORGANISM: Artificial Sequence
W--> 271 <220> FEATURE:
W--> 271 <223> OTHER INFORMATION:
271 <400> SEQUENCE: 21
273 Pro Ala Cys Gly Gly Lys
274 1 5
277 <210> SEQ ID NO: 22
278 <211> LENGTH: 18
279 <212> TYPE: DNA
280 <213> ORGANISM: Artificial Sequence
282 <220> FEATURE:
283 <223> OTHER INFORMATION: Synthetic sequence
285 <400> SEQUENCE: 22

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→ see item 12 on Enon
 Summary Sheet

RAW SEQUENCE LISTING DATE: 03/07/2001
 PATENT APPLICATION: US/09/780,668 TIME: 11:13:52

Input Set : A:\LEX011.ST25.txt
 Output Set: N:\CRF3\03072001\I780668.raw

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286 gggttcagga tccggagg                      18
289 <210> SEQ ID NO: 23
290 <211> LENGTH: 18
291 <212> TYPE: DNA
292 <213> ORGANISM: Artificial Sequence
294 <220> FEATURE:
295 <223> OTHER INFORMATION: Synthetic sequence
297 <400> SEQUENCE: 23
298 cctccggatc ctgaaccc                      18
301 <210> SEQ ID NO: 24
302 <211> LENGTH: 9
303 <212> TYPE: PRT
304 <213> ORGANISM: Artificial Sequence
306 <220> FEATURE:
307 <223> OTHER INFORMATION: Synthetic sequence
309 <400> SEQUENCE: 24
311 Pro Gly Ser Gly Ser Gly Gly Gly Lys
312 1      5
314 <210> SEQ ID NO: 25
315 <211> LENGTH: 33
316 <212> TYPE: DNA
317 <213> ORGANISM: Artificial Sequence
319 <220> FEATURE:
320 <223> OTHER INFORMATION: Synthetic sequence
322 <400> SEQUENCE: 25
323 gggttcaggc tctggatcag ggtccggatc cgg      33
326 <210> SEQ ID NO: 26
327 <211> LENGTH: 33
328 <212> TYPE: DNA
329 <213> ORGANISM: Artificial Sequence
331 <220> FEATURE:
332 <223> OTHER INFORMATION: Synthetic sequence
334 <400> SEQUENCE: 26
335 ccggatccgg accctgatcc agagcctgaa ccc      33
338 <210> SEQ ID NO: 27
339 <211> LENGTH: 14
340 <212> TYPE: PRT
341 <213> ORGANISM: Artificial Sequence
343 <220> FEATURE:
344 <223> OTHER INFORMATION: Synthetic sequence
346 <400> SEQUENCE: 27
348 Pro Gly Ser Gly Ser Gly Ser Gly Ser Gly Gly Lys
349 1      5      10
351 <210> SEQ ID NO: 28
352 <211> LENGTH: 25
353 <212> TYPE: DNA
354 <213> ORGANISM: Artificial Sequence
356 <220> FEATURE:
357 <223> OTHER INFORMATION: Synthetic sequence

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VERIFICATION SUMMARY

PATENT APPLICATION: US/09/780,668

DATE: 03/07/2001

TIME: 11:13:53

Input Set : A:\LEX011.ST25.txt

Output Set: N:\CRF3\03072001\I780668.raw

L:11 M:270 C: Current Application Number differs, Replaced Current Application No
L:11 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:271 M:258 W: Mandatory Feature missing, <220> FEATURE:
L:271 M:258 W: Mandatory Feature missing, <223> OTHER INFORMATION:

VERIFICATION SUMMARY
PATENT APPLICATION: US/09/780,668

DATE: 03/07/2001
TIME: 11:13:53

Input Set : A:\LEX011.ST25.txt
Output Set: N:\CRF3\03072001\I780668.raw .

L:11 M:270 C: Current Application Number differs, Replaced Current Application No
L:11 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:271 M:258 W: Mandatory Feature missing, <220> FEATURE:
L:271 M:258 W: Mandatory Feature missing, <223> OTHER INFORMATION: